

FIG. 1 (Prior

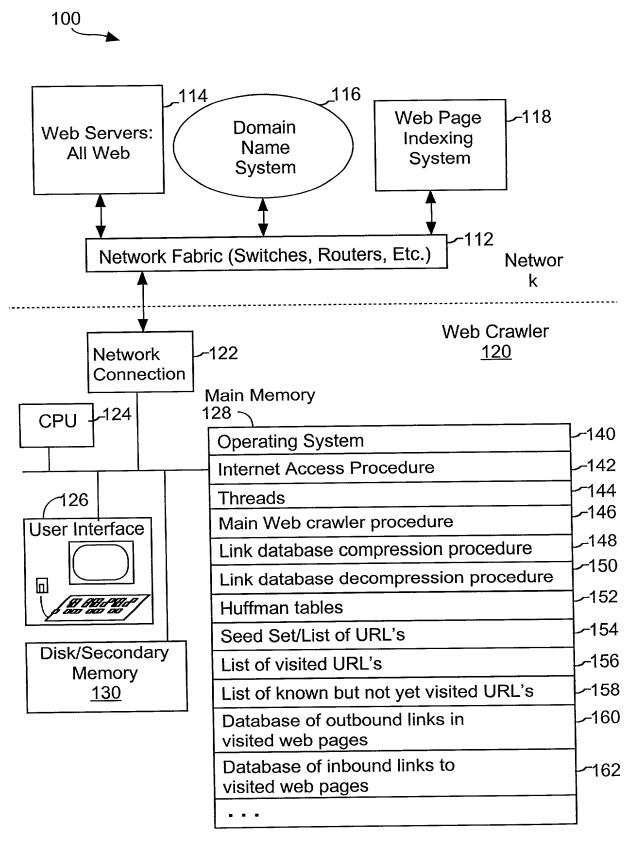
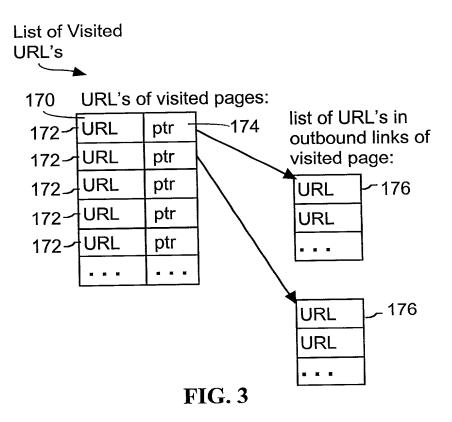


FIG. 2



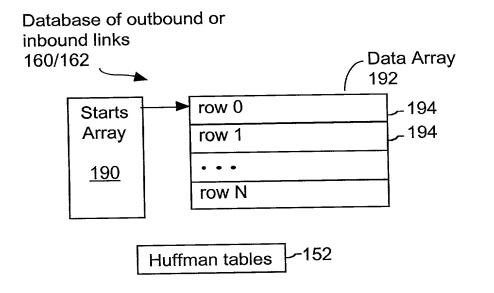
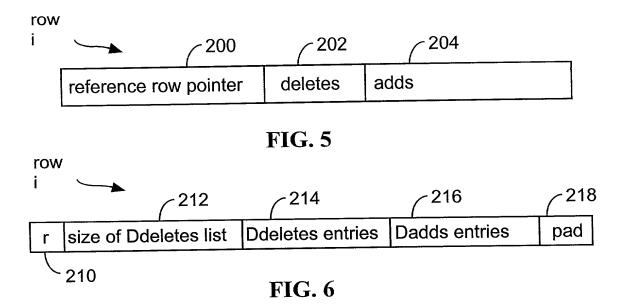


FIG. 4



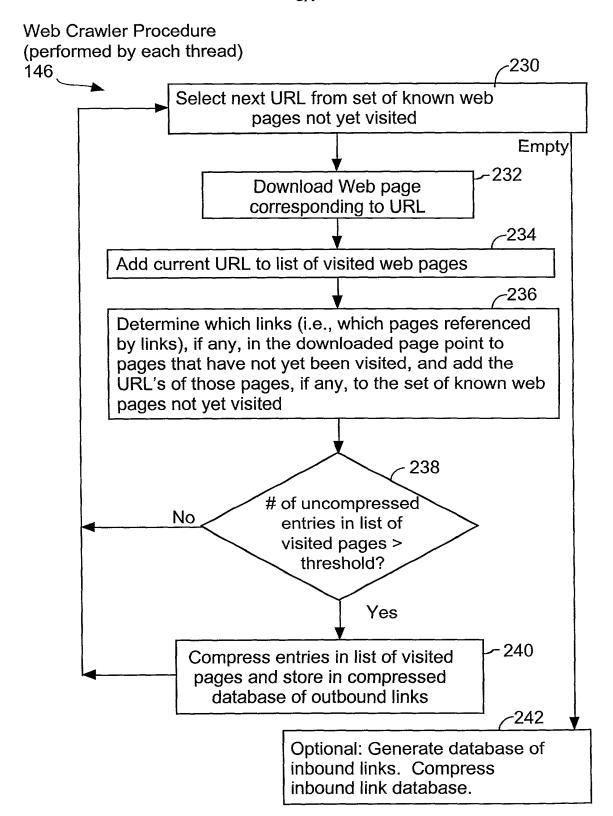


FIG. 7

Link database compression procedure 148 (

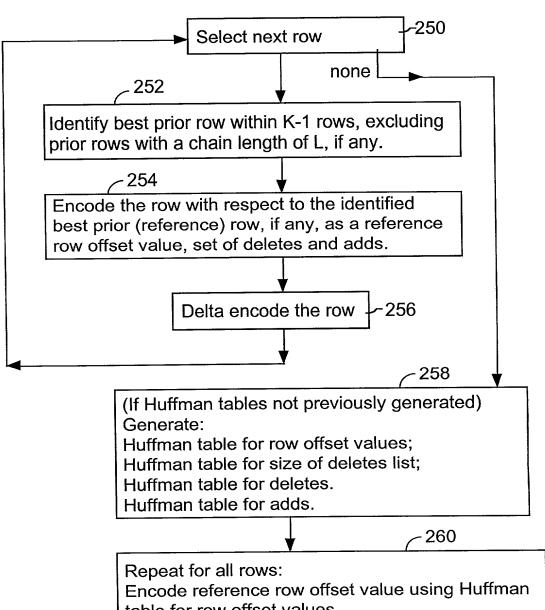


table for row offset values.

Encode deletes using Huffman table for deletes.

Encode size of deletes list using Huffman table.

Encode adds using Huffman table for adds.

Add pad bits, if needed.

Store start position of each row in the Starts array.

Decompress Row (Link database row decompression procedure) 150 ___ - 270 Read identified (current) row -272 Huffman decode the reference row offset value in current row. Huffman decode the size of the deletes list. Huffman decode the deletes entries in current row. Huffman decode the adds entries in current row. -274Reverse delta decode the row offset value, deletes entries and adds entries of the row to regenerate the reference row ID, deletes entries and adds entries of the row. - 276 Read and decompress reference row, if any, identified in the present row. (This may cause the Decompress Row procedure to be recursively called up to L times, where L is maximum length of any reference row chain.) -278 Apply the deletes and adds of the current row to the list of page ID's in the reference row, if any, to produce (reconstructed) list of page ID's for current row.

FIG. 9